

Applicant: Santiago et al.
Serial No.: 10/774,705
Group Art Unit 3752

PATENT
Docket No.: 1506-319

AMENDMENTS TO THE CLAIMS

Please cancel claims 1-22, 27-33.

LISTING OF CLAIMS

1-22. (Cancelled)

23. (Original) An adjustable arc sprinkler mechanism comprising:
an upper rotatable sprinkler housing;
a lower stationary sprinkler housing;
an arc stop assembly interposed between said upper and lower sprinkler housing;
said arc stop assembly including an angularly fixed arc stop member and an angularly movable arc stop member; and,
wherein at least one position of said angularly movable arc stop enables said rotatable sprinkler housing to rotate in one continuous direction.

24. (Original) An adjustable arc sprinkler mechanism according to claim 23, wherein said angularly movable arc stop is movable according to disengagement of said arc stop assembly from said upper rotatable sprinkler housing.

25. (Original) An adjustable arc sprinkler mechanism according to claim 24, wherein said disengagement of said arc stop is through radial movement of said arc stop assembly.

26. (Original) An adjustable arc sprinkler mechanism according to claim 23, wherein said fixed arc stop member includes a radially flexible stop surface, said stop surface being radially flexed out of engagement with a sprinkler stop when said upper rotatable sprinkler housing with said fixed arc stop member is moving in a full circle direction.

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27-33. (Cancelled)

34. (Previously Presented) An adjustable arc sprinkler mechanism comprising:

a sprinkler housing having a rotating portion, a stationary portion and an arc adjustment mechanism;

said arc adjustment mechanism including an arc stop selectively angularly movable relative to said rotating portion and said stationary portion so as to set a desired arc for said rotating portion of said sprinkler mechanism;

said arc stop being movable between a minimum arc setting and a full circle setting;

said arc stop being movable between said minimum arc setting and said full circle setting without changing a vertical height of said sprinkler mechanism.

35. (Previously Presented) An adjustable arc sprinkler mechanism according to claim 34, wherein said arc stop is movable according to disengagement of an arc stop assembly from said rotatable portion.

36. (Previously Presented) An adjustable arc sprinkler mechanism according to claim 34, wherein said arc adjustment mechanism further includes a fixed arc stop member disposed on said rotating portion, wherein said fixed arc stop member includes a radially flexible stop surface, said stop surface being radially flexed out of engagement with a sprinkler stop when said arc stop is at said full circle setting.

37. (Previously Presented) An adjustable arc sprinkler mechanism according to claim 34, wherein said arc stop is positioned outside the path of a direction trip mechanism when said arc stop is located at said full circle setting.

38. (Previously Presented) A method of establishing full circle operation of an

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adjustable arc sprinkler mechanism comprising:

providing a sprinkler having a rotating section, a stationary section and an arc adjustment section, wherein said sprinkler has an established sprinkler height;

disengaging said arc adjustment section from said rotating section without changing the overall height of said adjustable arc sprinkler mechanism;

moving said arc adjustment section to a full circle setting on said sprinkler;

maintaining said established sprinkler height during both the disengaging of said arc adjustment section and during the moving of said arc adjustment section to said full circle setting.

39. (Previously Presented) A method according to claim 38, wherein moving the arc adjustment section to a full circle setting includes moving an adjustable arc stop out of a path of a direction changing switch.